

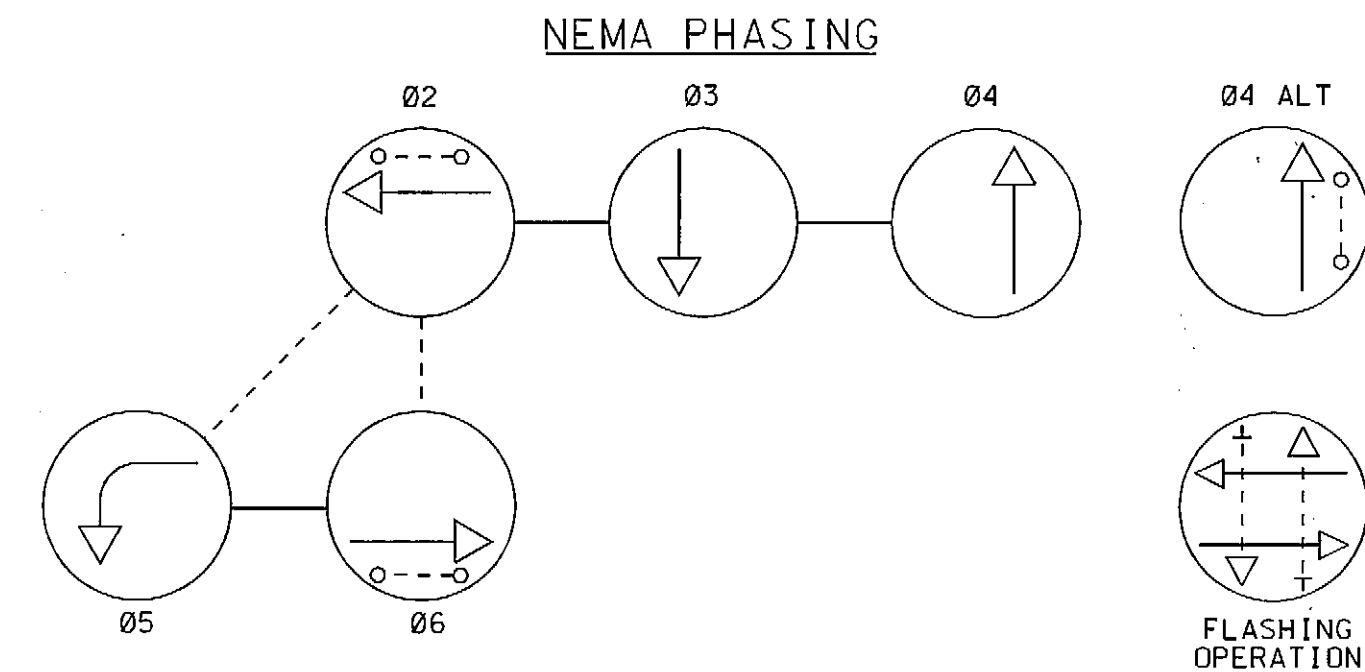
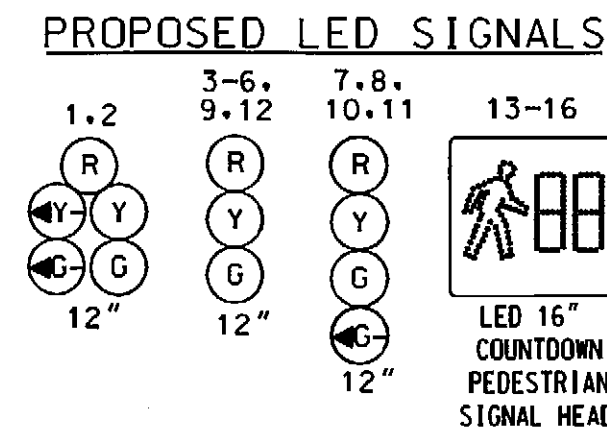
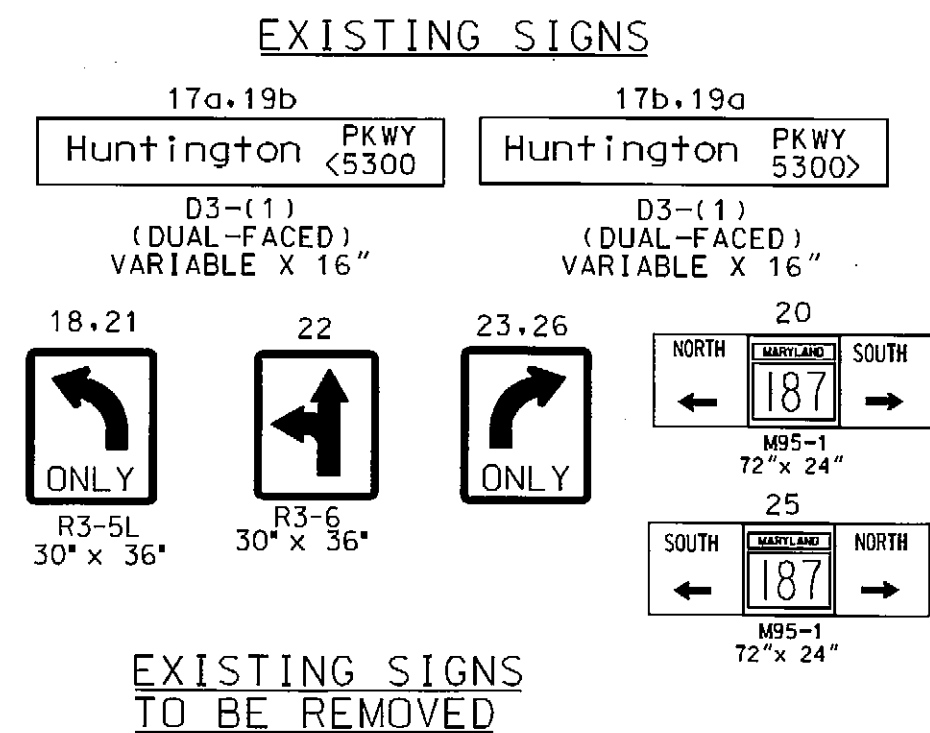
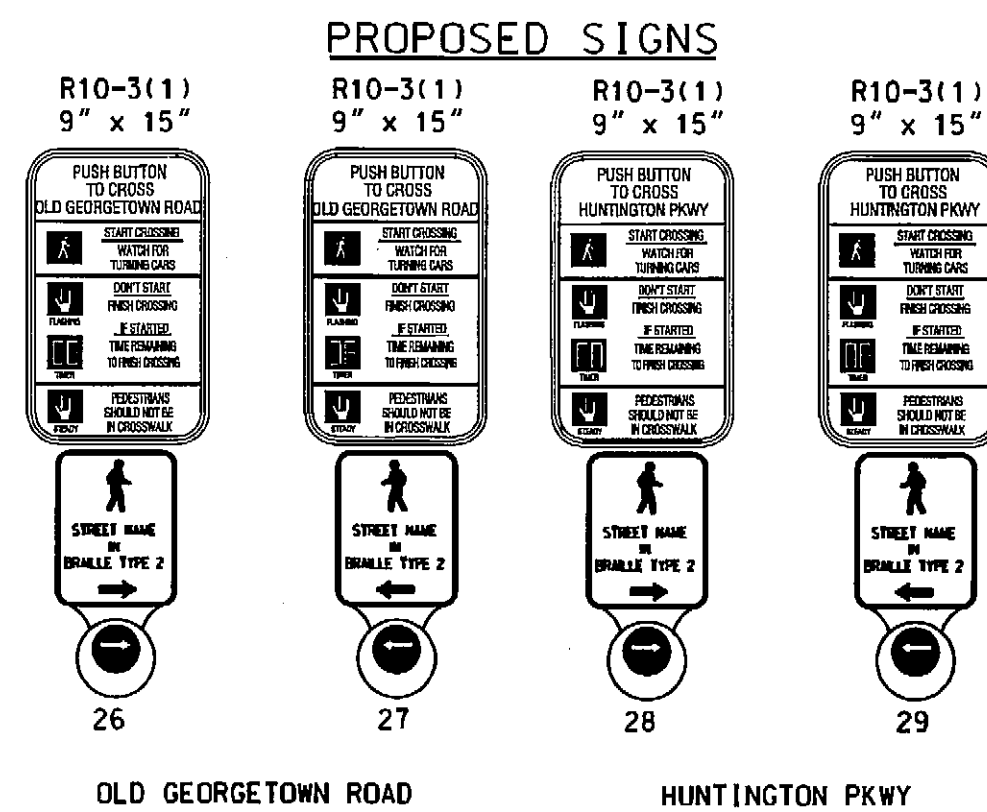
DRILL HOLES

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BORDER REV. DATE: June 1, 2004

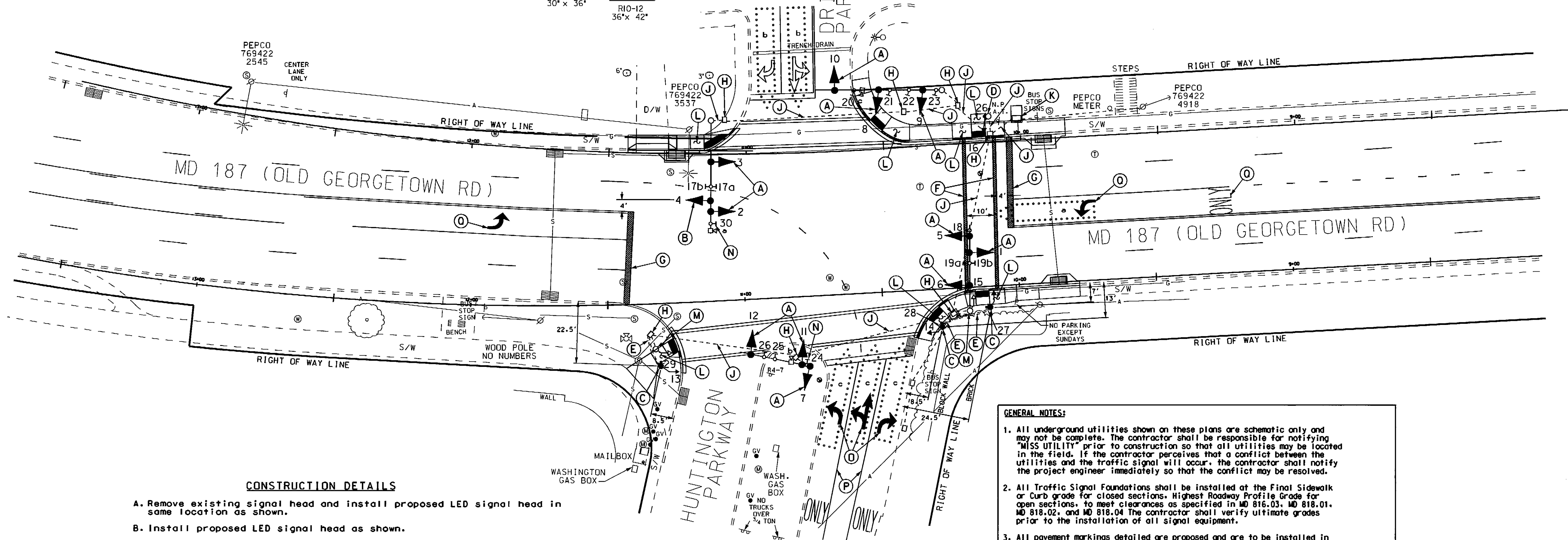
NOTE: MD 187 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.



PHASING NOTES:

1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

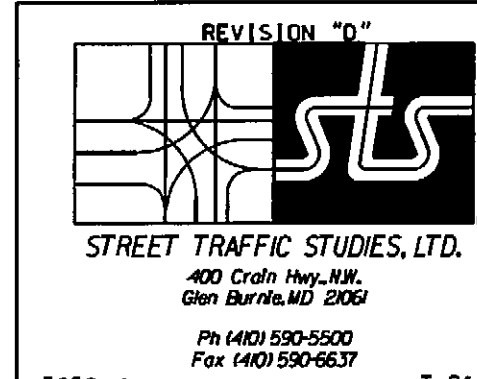
**CONSTRUCTION DETAILS**

- A. Remove existing signal head and install proposed LED signal head in same location as shown.
- B. Install proposed LED signal head as shown.
- C. Install 10' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign (R10-3(1)). (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- D. Remove existing pedestrian signal head along with pushbutton and install countdown pedestrian signal head and APS pushbutton with pedestrian education sign (R10-3(1)) on existing pedestal pole as shown.
- E. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- F. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk) (Note: The resurfacing project will remove all existing crosswalks.)
- G. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline) (Note: The resurfacing project will remove all existing stoplines.)
- H. Use existing handhole.
- J. Use existing conduit.
- K. Use existing cabinet and controller.
- L. All existing handicap ramps are being done by the roadway contractor.
- M. Remove existing pedestal pole and any other pedestrian associated equipment as shown. (Note: Contractor shall cap and abandon all existing conduit runs associated with this pole and backfill 12" below grade.)
- N. Remove existing overhead sign.
- O. Remove and replace existing Pavement Marking Arrows.
- P. Remove and replace existing Lane Line Pavement Marking.
- Q. Pavement markings shall be replaced by the roadway contractor.

GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
- Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60" x 60" level landing area with a cross slope of less than or equal to 2%.
- The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.
- Pushbutton arrows are to be parallel to the crossing for which they are intended.
- Location of Accessible Pedestrian signal pushbuttons must meet location requirements of MUTCD Sec. 4E.09 and Fig. 4E.2 and the NCHRP publication, Accessible Pedestrian Signals: Guide to Best Practice. If not met, the Contractor is to stop work on pushbutton locations until a design waiver is obtained, approved by the Director, Office of Traffic and Safety.
- The contractor shall remove all unused wiring.

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---



APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1	INSTALL APS AND CPS AND LED SIGNAL HEADS SHA NO. MD429519
2	REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA NO. MD715185

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
MD 187 AND (OLD GEORGETOWN RD) HUNTINGTON PARKWAY	
BETHESDA, MARYLAND	
TRAFFIC SIGNAL PLAN	
SCALE 1" = 20'	DATE 3/5/73
DESIGNED BY G.S.D.	COUNTY MONTGOMERY
DRAWN BY HANI S. MALAS	LOGMILE 15018700.91
CHECKED BY	TMS NO. J511
F.A.P. NO.	TOD NO.
TS NO. 4316D	DRAWING NO. 1 OF 2
SHEET NO. OF	

PLOTTED: #DATE TIME#

FILE: #FILE#